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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/936,730	09/17/2001	Takahisa Aoyama	L9289.01185	8946
24257	7590 03/11/2005	EXAMINER		INER
STEVENS DAVIS MILLER & MOSHER, LLP			HOOSAIN, ALLAN	
1615 L STR	EET, NW			
SUITE 850	•		ART UNIT	PAPER NUMBER
WASHINGT	TON, DC 20036	2645		
			DATE MAILED 02/11/200	_

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		09/936,730	AOYAMA, TAKAHISA			
Office Act	ion Summary	Examiner	Art Unit			
		Allan Hoosain	2645			
The MAILING E Period for Reply	PATE of this communication app	pears on the cover sheet with the c	orrespondence address			
THE MAILING DATE - Extensions of time may be a after SIX (6) MONTHS from - If the period for reply specification of the period for reply is specification. - Failure to reply within the set	OF THIS COMMUNICATION. vailable under the provisions of 37 CFR 1.1 the mailing date of this communication. ed above is less than thirty (30) days, a replified above, the maximum statutory period of the communication of the maximum statutory period of the communication of the maximum statutory period of the communication of the maximum statutory period for extended period for reply will, by statute fice later than three months after the mailing	Y IS SET TO EXPIRE 3 MONTH(36(a). In no event, however, may a reply be time y within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from y, cause the application to become ABANDONE g date of this communication, even if timely filed	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1) Responsive to o	1) Responsive to communication(s) filed on <u>15 October 2004</u> .					
2a)⊠ This action is FI	NAL. 2b) ☐ This	s action is non-final.				
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Disposition of Claims						
4a) Of the above 5) ☐ Claim(s) 6) ☒ Claim(s) <u>1-5</u> is/a 7) ☐ Claim(s)			:			
Application Papers	• .					
•	n is objected to by the Examine iled on is/are: a)∐ acc	er. epted or b) Objected to by the E	∃xaminer.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
		tion is required if the drawing(s) is obj kaminer. Note the attached Office	• • •			
Priority under 35 U.S.C.	§ 119					
a) All b) Sor 1. Certified c 2. Certified c 3. Copies of applicatio	ne * c) None of: copies of the priority document copies of the priority document the certified copies of the prio n from the International Burea	s have been received in Applicati	on No ed in this National Stage			
3233 4.43.104		and assumed sopios not receive	- .			
Attachment(s)						
	Patent Drawing Review (PTO-948) atement(s) (PTO-1449 or PTO/SB/08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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Art Unit: 2645

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Kobayakawa et al. (US 6,064,338).

As to Claims 1,3-4, with respect to Figures 1-5, **Kobayakawa** teaches an array antenna base station apparatus, comprising:

calculation means, AWC, for calculation of reception weights by adaptive signal processing using demodulation signals, RVs, of a communication terminal apparatus (Figure 3); and

multiplication means, MP, for multiplication processingusing said calculated reception weights and said demodulation signals (Figure 3),

wherein said multiplication means may perform multiplication processing at a point of time when communication is opened, using said reception weights calculated at the previous communication with said communication terminal apparatus, and said demodulation signals (Col. 6, lines 51-58).

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As to Claims 2,5, **Kobakawaya** teaches an array antenna base station apparatus according to claim 1, wherein said multiplication means comprises:

measuring means, 8, for measuring moving states of said communication terminal apparatus using said reception weights calculated by said calculation means (Figure 3); and

generation means by which reception weights at a point of time when communication is opened may be generated using said reception weights calculated at the previous communication with said communication terminal and said measured moving states (Figure 3), and

multiplication processing may be performed using said reception weights generated by said generation means and said demodulation signals (Figure 3 and Col. 9, line 65 through Col. 10, line 7).

Response to Arguments

3. Applicant's arguments filed in the 10/15/04 Response have been fully considered but they are not persuasive because of the following:

The cited passage at Col. 6, lines 51-58 teaches the processing of a user signal for estimating the direction of the user. The user signal is a previous signal at a point in time at which the signal was received. This signal is used to calculate an estimate of the direction of the user at a future point in time so that communication can be maintained.

Examiner respectfully believes that the above explanation will help Applicant to see that Kobayakawa's correlation signals are based upon a previous signal to estimate where the user is in the future. Also, Examiner respectfully invites Applicant to contact Examiner to discuss possible amendments for overcoming the prior art of record.

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Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Keskitalo et al. (US 5,893,033) teach tracking terminals and updating base station lists which

will serve the terminals.

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as

set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

6. Any response to this final action should be mailed to:

Box AF

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

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(703) 872-9314, (for formal communications; please mark "EXPEDITED PROCEDURE")

Or:

(703) 306-0377 (for customer service assistance)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Allan Hoosain** whose telephone number is (703) 305-4012. The examiner can normally be reached on Monday to Friday from 8 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang, can be reached on (703) 305-4895.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Allan Hoosain Primary Examiner 3/2/05